# METHOD FOR ESTABLISHING A GRAY CODE AND RELATED COUNTER CIRCUIT

# Abstract

A method for establishing a Gray code count sequence having N code words includes determining a first bit switch sequence having $2^M-1$ elements and a bit switching sequence property according to a first Gray code count sequence having $2^M$ code words and where $2^M$ is larger than N.A second bit switch sequence is determined having N−1 elements and the bit switching sequence property according to the first bit switch sequence. A second Gray code count sequence is determined according to the second bit switch sequence.